



TYPE **GB**  
**BLENDED CEMENT**

## Typical Analysis

	Typical BGC Value	Typical BGC Range	AS 3972	Units
<b>Mortar Compressive Strengths</b>				
3 day	30	28 – 32	-	(MPa)
7 day	42	40 – 44	<i>Min. 20</i>	(MPa)
28 day	63	60 – 66	<i>Min. 35</i>	(MPa)
<b>Vicat Setting Time</b>				
Normal Consistency	30	29 – 31	-	(%)
Initial Set	115	105 – 135	<i>Min. 45</i>	(minutes)
Final Set	180	165 – 195	<i>Max. 360</i>	(minutes)
<b>Residue</b>				
+45µm	5.0	4.0 – 6.0	-	(%)
<b>Fineness Index</b>				
	470	450 – 480	-	(m <sup>2</sup> /kg)
<b>Soundness</b>				
	1	0 – 2	<i>Max. 5</i>	(mm)
<b>Chemical Analysis</b>				
SO <sub>3</sub>	2.2	2.0 – 2.4	<i>Max. 3.5</i>	(%)
SiO <sub>2</sub>	24.4	23.8 – 25.4	-	(%)
Al <sub>2</sub> O <sub>3</sub>	7.6	7.2 – 8.4	-	(%)
Fe <sub>2</sub> O <sub>3</sub>	2.3	2.1 – 2.4	-	(%)
MgO	3.0	2.6 – 3.2	-	(%)
CaO	56.3	54.6 – 57.4	-	(%)
Loss on Ignition	2.1	1.7 – 2.4	-	(%)
Na <sub>2</sub> O (equivalent)	0.6	0.4 – 0.6	-	(%)
Chloride ion	0.01	0.00 – 0.01	<i>Max 0.10</i>	(%)

Note: Typical range is at 95% confidence level, individual results may be outside of this range.

Issue Date: 13 August 2019